

optical waveguide devices according to an embodiment of the present invention are formed.

[0021] Fig. 6 shows a schematic view illustrating an optical waveguide device according to another embodiment of the present invention.

[0022] Fig. 7 shows a schematic view illustrating an optical waveguide according to an embodiment of the present invention.

[0023] Fig. 8 is a schematic perspective view of an optical waveguide device according to an embodiment of the present invention.

[0024] Fig. 9 shows a schematic exploded view of the optical waveguide device shown in Fig. 8.

[0025] Fig. 10 shows a schematic plan view illustrating a mode of use of the optical waveguide device of Fig. 8.

[0026] Fig. 11, ^{12, 13, 14, 15, 16 and 17} ~~to Fig. 17~~ show views explaining a method of manufacturing the optical waveguide device according to an embodiment of the present invention.

[0027] Fig. 12 shows a view continued from Fig. 11.

[0028] Fig. 13 shows a view continued from Fig. 12.

[0029] Figs. 14A, 14B, 14C, and 14D show views explaining processes up to a process for manufacturing cores with respect to the A - A' cross section of Fig. 13.

[0030] Fig. 15 shows a view continued from Fig. 13.

[0031] Fig. 16 shows a view continued from Fig. 15.

[0032] Fig. 17 shows a view continued from Fig. 16.

[0033] Fig. 18 shows a block diagram showing an arrangement of an optical network unit.